

REMARKS/ARGUMENT

This Preliminary Amendment is submitted to change the multiple dependent claims to single dependent claims in order to reduce the government filing fee.

EXPRESS MAIL CERTIFICATE

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Name of Person Mailing Correspondence


Signature

April 12, 2001

Date of Signature

Respectfully submitted,


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APPENDIX A
"CLEAN" VERSION OF EACH PARAGRAPH/SECTION/CLAIM
37 C.F.R. § 1.121(b)(ii) AND (c)(i)

CLAIMS (with indication of amended or new):

Sub B2 (Amended) 3. Method according to claim 1, characterised in that the curing by radical-triggered polymerisation occurs essentially without emissions.

A1 (Amended) 4. Method according to claim 1, characterised in that the preform is produced in the shape of a film, tape, ribbon or any mould, and subsequently subjected to at least one further forming, preferably without the removal of material, for instance by bending, twisting, pressing, rolling, or deep-drawing.

(Amended) 5. Method according to claim 1, characterised in that to the starting components at least one of the following components is added: a filler, a fibre material, a coloured pigment.

Sub B3 (Amended) 6. Method according to claim 1, characterised in that a definite curing of the preform occurs by radical polymerisation of the free double bonds while applying elevated pressure and/or elevated temperature and/or irradiation with microwaves or energy-rich radiation, particularly ionising radiation.

(Amended) 7. Method according to claim 1, characterised in that to the mixture of starting components at least one catalyst adapted to trigger and/or accelerate a radical-type polymerisation of the reactive double bonds is added, particularly a hot-curing or photocatalyst, in an amount of up to 5 % by weight, preferably 0.1 to 1 % by weight.

(Amended) 8. Method according to claim 1, characterised in that two or more preforms, particularly in the form of films, tapes, ribbons, or plates, which are brought in mutual contact, preferably piled up as layers or glued together with the aid of an adhesion promoter, are bonded together while applying elevated pressure and elevated temperature to yield composites or laminates of any desired layer thickness, and definitely cured, where appropriate with the aid of light.

sub 10
A2
(Amended) 10. Method according to claim 5, characterised in that to the starting components a filler is added in a concentration of at most 80 % by weight, preferably of 20 to 75 and particularly of about 40 to 70 % by weight.

(Amended) 11. Method according to claim 5, characterised in that the fibre material is present in the form of unidirectional fibre strands, woven or nonwoven fibre fabric and preferably contains glass fibres, carbon fibres, aramide fibres, polyethylene fibres, cellulose fibres, and/or other suitable plastic fibres.

sub 16
A3
(Amended) 16. Moulded body according to claim 14, characterised in that it is colourless and translucent, more particularly crystal clear.

(Amended) 17. Moulded body according to claim 14, characterised in that it contains at least one of the following additives: filler, fibre material, coloured pigment, and/or exhibits a surface treatment, particularly a coating, coloration, painting and/or texture.

(Amended) 18. Moulded body according to claim 14, characterised in that it is present as a cured composite or laminate formed from at least two curable preforms.

(Amended) 19. Polyurethane-based moulded body that can be obtained by a method according to claim 1.

sub 22
A4
(Amended) 22. Use according to claim 20 for the production of technical formed parts, design and support elements, optical wave guides, tool components, covers and protective films, electrical, thermal or acoustic insulating elements, toys, utensils, art objects, or decorative objects.

(Amended) 23. Use of a moulded body according to claim 14 for the production of technical formed parts, design and support elements, optical wave guides, tool components, covers and protective films, electrical, thermal or acoustic insulating elements, toys, utensils, art objects, or decorative objects.

A4
(Amended) 24. Use according to claim 20, for applications in medicine, dentistry, civil and mechanical engineering, fastening technology, insulating and packaging technology, the automotive industry, measuring technology, households, as well as in fine art.

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APPENDIX B

VERSION WITH MARKINGS TO SHOW CHANGES MADE

37 C.F.R. § 1.121(b)(iii) AND (c)(ii)

CLAIMS:

3. Method according to [one of the claims 1 or 2] claim 1, characterised in that the curing by radical-triggered polymerisation occurs essentially without emissions.

4. Method according to [one of the claims 1 to 3] claim 1, characterised in that the preform is produced in the shape of a film, tape, ribbon or any mould, and subsequently subjected to at least one further forming, preferably without the removal of material, for instance by bending, twisting, pressing, rolling, or deep-drawing.

5. Method according to [one of the claims 1 to 4] claim 1, characterised in that to the starting components at least one of the following components is added: a filler, a fibre material, a coloured pigment.

6. Method according to [one of the claims 1 to 5] claim 1, characterised in that a definite curing of the preform occurs by radical polymerisation of the free double bonds while applying elevated pressure and/or elevated temperature and/or irradiation with microwaves or energy-rich radiation, particularly ionising radiation.

7. Method according to [one of the claims 1 to 6] claim 1, characterised in that to the mixture of starting components at least one catalyst adapted to trigger and/or accelerate a radical-type polymerisation of the reactive double bonds is added, particularly a hot-curing or photocatalyst, in an amount of up to 5 % by weight, preferably 0.1 to 1 % by weight.

8. Method according to [one of the claims 1 to 7] claim 1, characterised in that two or more preforms, particularly in the form of films, tapes, ribbons, or plates, which are brought in mutual contact, preferably piled up as layers or glued together with the aid of an adhesion promoter, are bonded together while applying elevated pressure and elevated temperature to yield composites or

laminates of any desired layer thickness, and definitely cured, where appropriate with the aid of light.

10. Method according to [one of the claims 5 to 9] claim 5, characterised in that to the starting components a filler is added in a concentration of at most 80 % by weight, preferably of 20 to 75 and particularly of about 40 to 70 % by weight.

11. Method according to [one of the claims 5 to 8] claim 5, characterised in that the fibre material is present in the form of unidirectional fibre strands, woven or nonwoven fibre fabric and preferably contains glass fibres, carbon fibres, aramide fibres, polyethylene fibres, cellulose fibres, and/or other suitable plastic fibres.

16. Moulded body according to [one of the claims 14 to 15] claim 14, characterised in that it is colourless and translucent, more particularly crystal clear.

17. Moulded body according to [one of the claims 14 to 16] claim 14, characterised in that it contains at least one of the following additives: filler, fibre material, coloured pigment, and/or exhibits a surface treatment, particularly a coating, coloration, painting and/or texture.

18. Moulded body according to [one of the claims 14 to 17] claim 14, characterised in that it is present as a cured composite or laminate formed from at least two curable preforms.

19. Polyurethane-based moulded body that can be obtained by a method according to [one of the claims 1 to 13] claim 1.

22. Use according to claim 20 [or 21] for the production of technical formed parts, design and support elements, optical wave guides, tool components, covers and protective films, electrical, thermal or acoustic insulating elements, toys, utensils, art objects, or decorative objects.

23. Use of a moulded body according to [one of the claims 14 to 19] claim 14 for the production of technical formed parts, design and support elements, optical wave guides, tool

components, covers and protective films, electrical, thermal or acoustic insulating elements, toys, utensils, art objects, or decorative objects.

24. Use according to [one of the claims 20 to 23] claim 20, for applications in medicine, dentistry, civil and mechanical engineering, fastening technology, insulating and packaging technology, the automotive industry, measuring technology, households, as well as in fine art.

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